

CB

PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/806,568

DATE: 08/30/2001
TIME: 10:02:07

Input Set : A:\ES.txt
Output Set: N:\CRF3\08302001\I806568.raw

ENTERED

3 <110> APPLICANT: MORIKAWA, Wataru et al.
 5 <120> TITLE OF INVENTION: ENZYME PRODUCING PLASMA PROTEIN FRAGMENT HAVING INHIBITORY
 ACTIVITY TO
 6 METASTASIS AND GROWTH OF CANCER AND PLASMA PROTEIN FRAGMENT PRODUCED BY
 7 FRAGMENTATION BY SAID ENZYME
 9 <130> FILE REFERENCE: 0020-4841P
 11 <140> CURRENT APPLICATION NUMBER: 09/806,568
 C--> 12 <141> CURRENT FILING DATE: 2001-04-05
 14 <160> NUMBER OF SEQ ID NOS: 2
 16 <170> SOFTWARE: PatentIn version 3.1
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 10
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Homo sapiens
 23 <400> SEQUENCE: 1
 25 Leu Val Arg Ile Pro Leu His Lys Phe Thr
 26 1 5 10
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 810
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Homo sapiens
 34 <400> SEQUENCE: 2
 36 Met Glu His Lys Glu Val Val Leu Leu Leu Leu Phe Leu Lys Ser
 37 1 5 10 15
 40 Gly Gln Gly Glu Pro Leu Asp Asp Tyr Val Asn Thr Gln Gly Ala Ser
 41 20 25 30
 44 Leu Phe Ser Val Thr Lys Lys Gln Leu Gly Ala Gly Ser Ile Glu Glu
 45 35 40 45
 48 Cys Ala Ala Lys Cys Glu Glu Asp Glu Glu Phe Thr Cys Arg Ala Phe
 49 50 55 60
 52 Gln Tyr His Ser Lys Glu Gln Gln Cys Val Ile Met Ala Glu Asn Arg
 53 65 70 75 80
 56 Lys Ser Ser Ile Ile Ile Arg Met Arg Asp Val Val Leu Phe Glu Lys
 57 85 90 95
 60 Lys Val Tyr Leu Ser Glu Cys Lys Thr Gly Asn Gly Lys Asn Tyr Arg
 61 100 105 110
 64 Gly Thr Met Ser Lys Thr Lys Asn Gly Ile Thr Cys Gln Lys Trp Ser
 65 115 120 125
 68 Ser Thr Ser Pro His Arg Pro Arg Phe Ser Pro Ala Thr His Pro Ser
 69 130 135 140
 72 Glu Gly Leu Glu Glu Asn Tyr Cys Arg Asn Pro Asp Asn Asp Pro Gln
 73 145 150 155 160
 76 Gly Pro Trp Cys Tyr Thr Asp Pro Glu Lys Arg Tyr Asp Tyr Cys
 77 165 170 175
 80 Asp Ile Leu Glu Cys Glu Glu Cys Met His Cys Ser Gly Glu Asn
 81 180 185 190
 84 Tyr Asp Gly Lys Ile Ser Lys Thr Met Ser Gly Leu Glu Cys Gln Ala
 85 195 200 205

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88 Trp Asp Ser Gln Ser Pro His Ala His Gly Tyr Ile Pro Ser Lys Phe
 89 210 215 220
 92 Pro Asn Lys Asn Leu Lys Lys Asn Tyr Cys Arg Asn Pro Asp Arg Glu
 93 225 230 235 240
 96 Leu Arg Pro Trp Cys Phe Thr Thr Asp Pro Asn Lys Arg Trp Glu Leu
 97 245 250 255
 100 Cys Asp Ile Pro Arg Cys Thr Thr Pro Pro Ser Ser Gly Pro Thr
 101 260 265 270
 104 Tyr Gln Cys Leu Lys Gly Thr Gly Glu Asn Tyr Arg Gly Asn Val Ala
 105 275 280 285
 108 Val Thr Val Ser Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro
 109 290 295 300
 112 His Thr His Asn Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp
 113 305 310 315 320
 116 Glu Asn Tyr Cys Arg Asn Pro Asp Gly Lys Arg Ala Pro Trp Cys His
 117 325 330 335
 120 Thr Thr Asn Ser Gln Val Arg Trp Glu Tyr Cys Lys Ile Pro Ser Cys
 121 340 345 350
 124 Asp Ser Ser Pro Val Ser Thr Glu Gln Leu Ala Pro Thr Ala Pro Pro
 125 355 360 365
 128 Glu Leu Thr Pro Val Val Gln Asp Cys Tyr His Gly Asp Gly Gln Ser
 129 370 375 380
 132 Tyr Arg Gly Thr Ser Ser Thr Thr Thr Gly Lys Lys Cys Gln Ser
 133 385 390 395 400
 136 Trp Ser Ser Met Thr Pro His Arg His Gln Lys Thr Pro Glu Asn Tyr
 137 405 410 415
 140 Pro Asn Ala Gly Leu Thr Met Asn Tyr Cys Arg Asn Pro Asp Ala Asp
 141 420 425 430
 144 Lys Gly Pro Trp Cys Phe Thr Thr Asp Pro Ser Val Arg Trp Glu Tyr
 145 435 440 445
 148 Cys Asn Leu Lys Lys Cys Ser Gly Thr Glu Ala Ser Val Val Ala Pro
 149 450 455 460
 152 Pro Pro Val Val Leu Leu Pro Asp Val Glu Thr Pro Ser Glu Glu Asp
 153 465 470 475 480
 156 Cys Met Phe Gly Asn Gly Lys Gly Tyr Arg Gly Lys Arg Ala Thr Thr
 157 485 490 495
 160 Val Thr Gly Thr Pro Cys Gln Asp Trp Ala Ala Gln Glu Pro His Arg
 161 500 505 510
 164 His Ser Ile Phe Thr Pro Glu Thr Asn Pro Arg Ala Gly Leu Glu Lys
 165 515 520 525
 168 Asn Tyr Cys Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Cys Tyr
 169 530 535 540
 172 Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr Cys Asp Val Pro Gln Cys
 173 545 550 555 560
 176 Ala Ala Pro Ser Phe Asp Cys Gly Lys Pro Gln Val Glu Pro Lys Lys
 177 565 570 575
 180 Cys Pro Gly Arg Val Val Gly Gly Cys Val Ala His Pro His Ser Trp
 181 580 585 590
 184 Pro Trp Gln Val Ser Leu Arg Thr Arg Phe Gly Met His Phe Cys Gly

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185	595	600	605
188	Gly Thr Leu Ile Ser Pro Glu Trp Val Leu Thr Ala Ala His Cys Leu		
189	610	615	620
192	Glu Lys Ser Pro Arg Pro Ser Ser Tyr Lys Val Ile Leu Gly Ala His		
193	625	630	635
196	Gln Glu Val Asn Leu Glu Pro His Val Gln Glu Ile Glu Val Ser Arg		640
197	645	650	655
200	Leu Phe Leu Glu Pro Thr Arg Lys Asp Ile Ala Leu Leu Lys Leu Ser		
201	660	665	670
204	Ser Pro Ala Val Ile Thr Asp Lys Val Ile Pro Ala Cys Leu Pro Ser		
205	675	680	685
208	Pro Asn Tyr Val Val Ala Asp Arg Thr Glu Cys Phe Ile Thr Gly Trp		
209	690	695	700
212	Gly Glu Thr Gln Gly Thr Phe Gly Ala Gly Leu Leu Lys Glu Ala Gln		
213	705	710	715
216	Leu Pro Val Ile Glu Asn Lys Val Cys Asn Arg Tyr Glu Phe Leu Asn		720
217	725	730	735
220	Gly Arg Val Gln Ser Thr Glu Leu Cys Ala Gly His Leu Ala Gly Gly		
221	740	745	750
224	Thr Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Phe Glu		
225	755	760	765
228	Lys Asp Lys Tyr Ile Leu Gln Gly Val Thr Ser Trp Gly Leu Gly Cys		
229	770	775	780
232	Ala Arg Pro Asn Lys Pro Gly Val Tyr Val Arg Val Ser Arg Phe Val		
233	785	790	795
236	Thr Trp Ile Glu Gly Val Met Arg Asn Asn		800
237	805	810	

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/806,568

DATE: 08/30/2001

TIME: 10:02:08

Input Set : A:\ES.txt

Output Set: N:\CRF3\08302001\I806568.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date